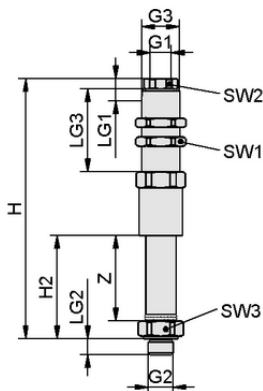


Art.-Nr.: 10.01.02.01382



FSTE-HDB G1/4-AG 45 VG-AB

Spring plunger FSTE-HDB is delivered as a ready-to-connect product.



Design data FSTE-HDB G1/4-AG 45 VG-AB

**Technical data**

| Attribute               | Value                               |
|-------------------------|-------------------------------------|
| Shape mounting elements | with anti-rotation guard anti-block |
| Spring stroke Z         | 45.0 mm                             |
| Suction cup connection  | G1/4"-M                             |
| Vacuum connection       | G1/8"-F                             |
| Tightening torque (max) | 40.0 Nm                             |

**Design data**

| Attribute         | Value     |
|-------------------|-----------|
| Height H2         | 54.80 mm  |
| Height H          | 138.30 mm |
| Thread G1         | G1/8"-F   |
| Thread length LG1 | 12.0 mm   |
| Thread G2         | G1/4"-M   |
| Thread length LG2 | 8.5 mm    |
| Thread length LG3 | 44.0 mm   |
| Key width SW1     | 24.0 mm   |
| Spanner size SW2  | 17.0 mm   |
| Spring stroke Z   | 45.0 mm   |

Recommendation: Avoid maximum plunger stroke Z during continuous operation to extend service life Ensure that the hose guide is free from distortion

Art.-Nr.: 10.01.02.01382

**Technical data**

| Attribute               | Value                               |
|-------------------------|-------------------------------------|
| Shape mounting elements | with anti-rotation guard anti-block |
| Spring force center     | 13.71 N                             |
| Spring rate             | 0.453 N/mm                          |
| Spring pretension       | 3.52 N                              |
| Horizontal load         | 466.0 N                             |
| Vertical load           | 2,400.0 N                           |
| Weight                  | 253.0 g                             |
| Operating temperature   | 0 ... 80 °C                         |
| Product family          | FSTE-HDB                            |
| Tightening torque (max) | 40.0 Nm                             |

Note: Spring force: Referred to 50 % of operating stroke Vertical load: Maximum static loading Horizontal load: The specification of the horizontal load refers to the lower edge of the plunger with extended spring. It is a maximum static stress and it impairs the spring compression and extension in horizontal position.

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.02.01382](http://www.schmalz.com/10.01.02.01382)



Art.-Nr.: 10.01.02.01382

**Ordering Data Accessories 10.01.02.01382**

| Typ                   |                         | Item number    |
|-----------------------|-------------------------|----------------|
| Flexolink             | FLK G1/4-IG G1/4-AG     | 10.01.03.00178 |
| Ball joint            | KGL G1/4-IG G1/4-AG     | 10.01.03.00110 |
| Ball joint            | KGL G1/4-IG M10x1.25-AG | 10.01.03.00137 |
| Flexolink             | FLK G1/4-IG M10x1.25-AG | 10.01.03.00206 |
| Cross-beam connection | HTR-STA 55 1N D20 WI    | 10.08.03.00086 |
| Universal holder      | HTR-UNI 2N FSTE-HDB     | 10.01.03.00332 |
| Hose sleeve           | ST G1/8-AG 4 M5-ROH     | 10.08.03.00153 |
| Hose sleeve           | ST G1/8-AG 6 M5-V       | 10.08.03.00154 |
| Hose sleeve           | ST G1/8-AG 9 M5-V       | 10.08.03.00155 |
| Plug union, straight  | STV-GE G1/8-AG 4        | 10.08.02.00202 |
| Plug union, straight  | STV-GE G1/8-AG 6        | 10.08.02.00204 |
| Plug union, straight  | STV-GE G1/8-AG 8        | 10.08.02.00206 |
| Plug union, elbow     | STV-W G1/8-AG 4         | 10.08.02.00156 |
| Plug union, elbow     | STV-W G1/8-AG 6         | 10.08.02.00158 |
| Plug union, elbow     | STV-W G1/8-AG 8         | 10.08.02.00160 |
| Plug union, straight  | STV-GE G1/8-AG 6 HT     | 10.08.02.00389 |
| Plug union, elbow     | STV-W G1/8-AG 6         | 10.08.02.00288 |
| Plug union, elbow     | STV-W G1/8-AG 6 HT      | 10.08.02.00391 |
| Plug union, elbow     | STV-WF G1/8-AG 4        | 10.08.02.00166 |
| Plug union, elbow     | STV-WF G1/8-AG 6        | 10.08.02.00168 |
| Plug union, elbow     | STV-WF G1/8-AG 8        | 10.08.02.00170 |
| Plug union, elbow     | STV-WF G1/8-AG 10       | 10.08.02.00257 |
| Plug union, T         | STV-T G1/8-AG 4         | 10.09.02.00039 |
| Plug union, T         | STV-T G1/8-AG 6         | 10.09.02.00040 |
| Plug union, T         | STV-T G1/8-AG 8         | 10.09.02.00041 |

